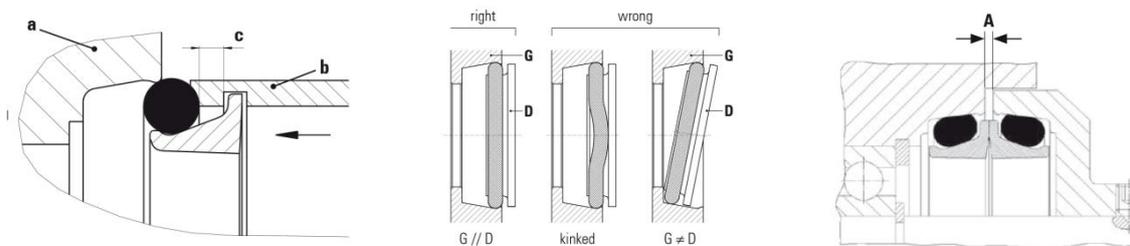


## Installation Guide for 76.90H / 76.97H

Mechanical Face Seals types are precision components made of chilled cast iron. This material is very brittle and care must be taken to avoid sharp blows and impacts. The correct way to handle face seals is as follows:

1. Keep the seal in the original packaging until just before installation. Once unpacked, be especially careful to protect the fine-finished seal faces of the metallic rings and the elastomer rings from damage and contamination.
2. The seal housing (a) must be clean and free from machining debris and all edges of the housing bore must be rounded.
3. Install the seal using the special tool (b) and applying pressure directly on the elastomer ring. For easier assembly, moisten the bore and elastomer ring with white spirit or ethanol – Never use oil, grease or any similar products.
4. Press the seal ring into the housing like a snap fastener. Ensure that afterwards the housing face “G” is parallel to the seal face “D”. The o-rings must not sit undulated in the housing bore or bulge out of the bore like a hose.
5. Before tensioning the seal rings to the set-up clearance, clean the seal faces and apply a film of oil. For best results, the use of a lint free cloth is highly recommended.
6. Check the clearance A after complete installation.



If the seal set is taken apart in the course of repairs, a new set will have to be installed even if the wear limit is not yet reached. The mating faces will have run in on a common line after a relatively short time, and there is no certainty of re-assembling them in exactly the same position. The wear paths of the seal faces would no longer match, and unacceptable leakage would occur until the faces have run in again.